

Supplementary Table Section

Supplementary Table 1. Estimated Crop Production (Million Tons per year) during 2005-2019

Year	Maize	Rice	Sugarcane	Oil Palm	Cassava	Coconut
2005	0.92	27.68	6.48	0.03	0.2	0.43
2006	1.03	30.92	7.69	0.05	0.21	0.46
2007	1.15	31.45	8.82	0.06	0.28	0.49
2008	1.2	32.57	9.25	0.06	0.33	0.51
2009	1.25	32.68	9.12	0.07	0.36	0.42
2010	1.35	32.58	9.25	0.08	0.37	0.43
2011	1.46	29.01	9.54	0.08	0.40	0.42
2012	1.5	26.22	9.41	0.09	0.43	0.49
2013	1.6	26.37	10.31	0.10	0.46	0.51
2014	1.69	26.42	11.13	0.10	0.50	0.51
2015	1.75	26.21	10.14	0.11	0.53	0.52
2016	1.84	26.21	10.14	0.12	0.56	0.53
2017	1.92	25.67	10.44	0.13	0.59	0.55
2018	2.01	25.15	11.27	0.13	0.62	0.54
2019	2.09	24.64	11.54	0.14	0.65	0.55

Note: The estimation of crop production, for some of the years that the data were not sufficiently available, was made based on Asian Development Bank 2015 report [21] and Ricepedia (2000-2014) [22], Food and Agriculture Organization (FAO) [23] and the reports [24, 25] by using the linear regression model.

Supplementary Table 2. Estimated Livestock and Poultry (Million heads per day) during 2005-2019

Year	Buffalo	Cattle	Pig	Chicken
2005	2.7	12.03	5.94	83.03
2006	2.75	12.34	6.41	95.17
2007	2.8	12.66	6.88	107.31
2008	2.85	12.98	7.35	119.45
2009	2.9	13.30	7.82	131.59
2010	2.95	13.62	8.29	143.73
2011	3	13.93	8.76	155.87
2012	3.05	14.25	9.23	168.01
2013	3.1	14.57	9.7	180.15
2014	3.15	14.89	10.17	192.29
2015	3.2	15.21	10.64	204.43
2016	3.25	15.52	11.11	216.57
2017	3.3	15.84	11.58	228.71
2018	3.35	16.16	12.05	240.85
2019	3.4	16.48	12.52	252.99

Note: The estimation of livestock and poultry, for some of the years that the data were not sufficiently available, was made based on Asian Development Bank 2015 report [21] by using the linear regression model.

Supplementary Table 3. Estimated Fuel Wood and Waste Generation during 2005-2019

Year	Fuel Wood (Million cubic meter per year)	Waste Generation (Kilotons per year)
2005	31.32	
2006	31.24	
2007	31.16	
2008	31.08	
2009	31.00	
2010	30.93	
2011	30.85	
2012	30.77	2050
2013	30.69	2482
2014	30.62	2915
2015	30.54	3347
2016	30.46	3780
2017	30.38	4212
2018	30.30	4645
2019	30.23	5078

Note: The estimation of fuelwood, for some of the years that the data were not sufficiently available, was made based on of National Forestry Master Plan (2002-2030) [19] by using the linear regression model, however, the data related to waste generation were collected from Tun and Juchelkova (2018) [26].